

FIG. 1

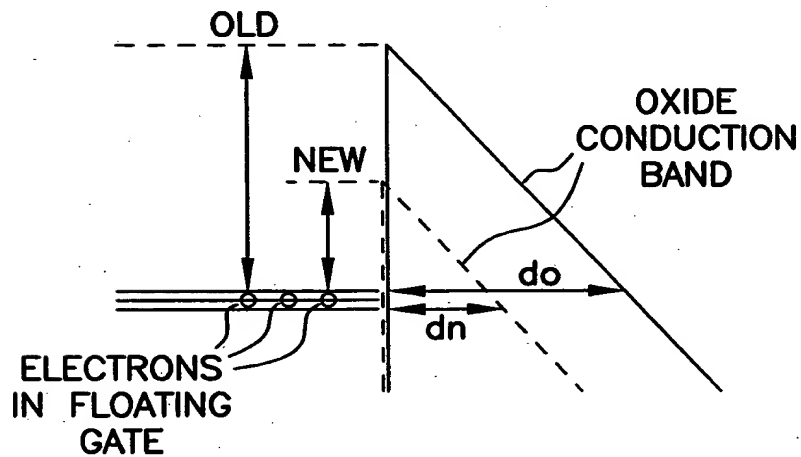


FIG.2

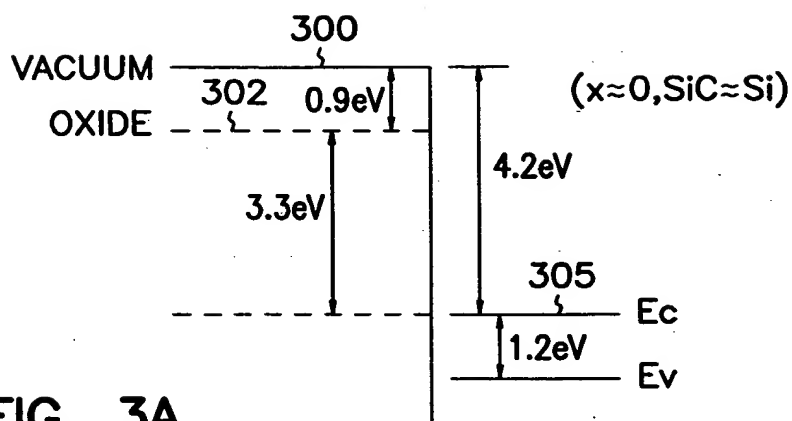


FIG. 3A

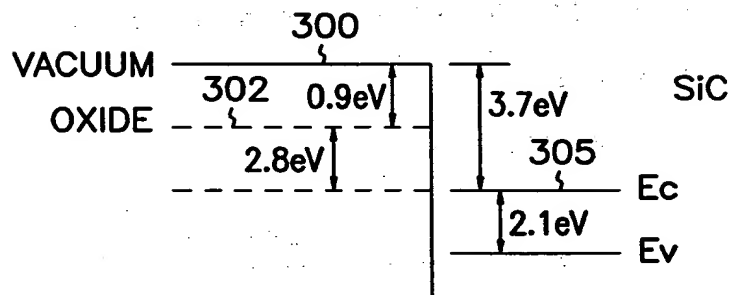


FIG. 3B

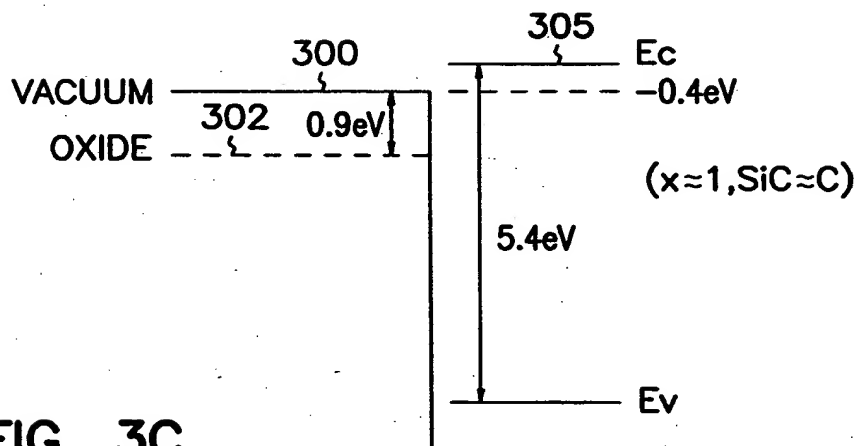


FIG. 3C

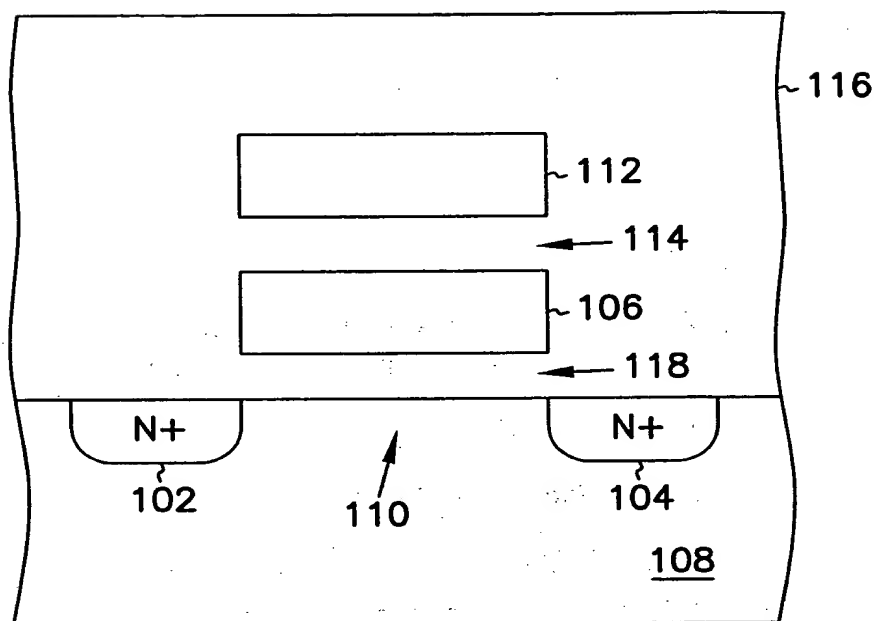
[illegible]

FIG. 4

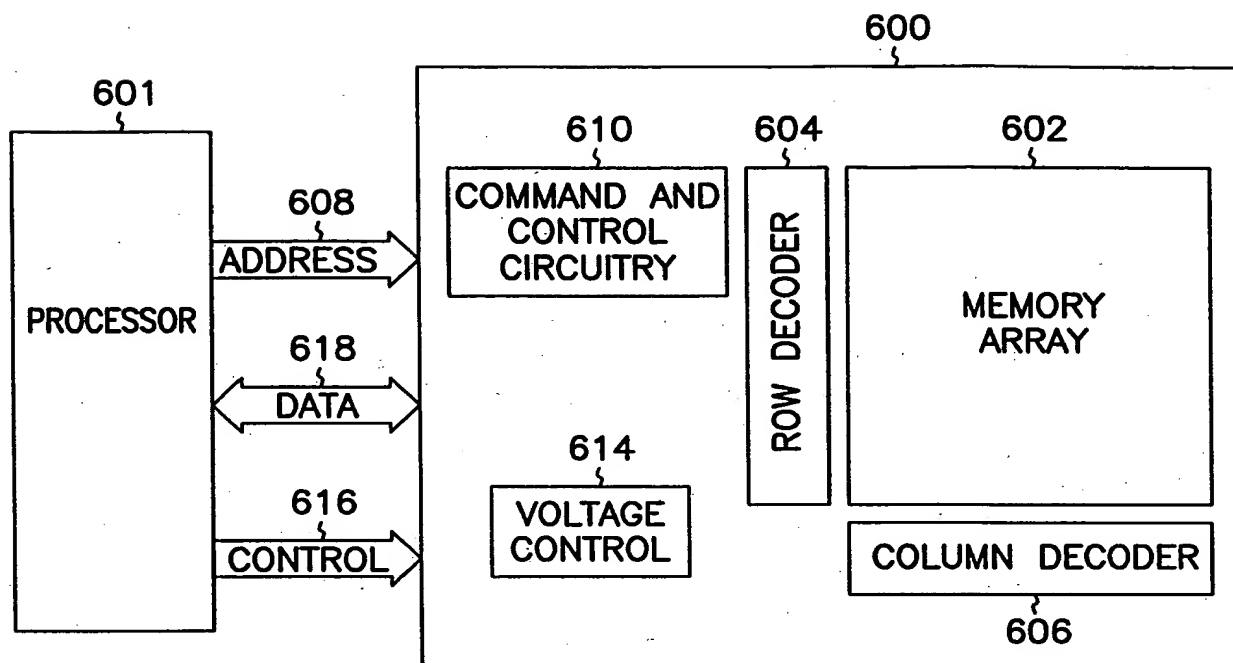


FIG. 6

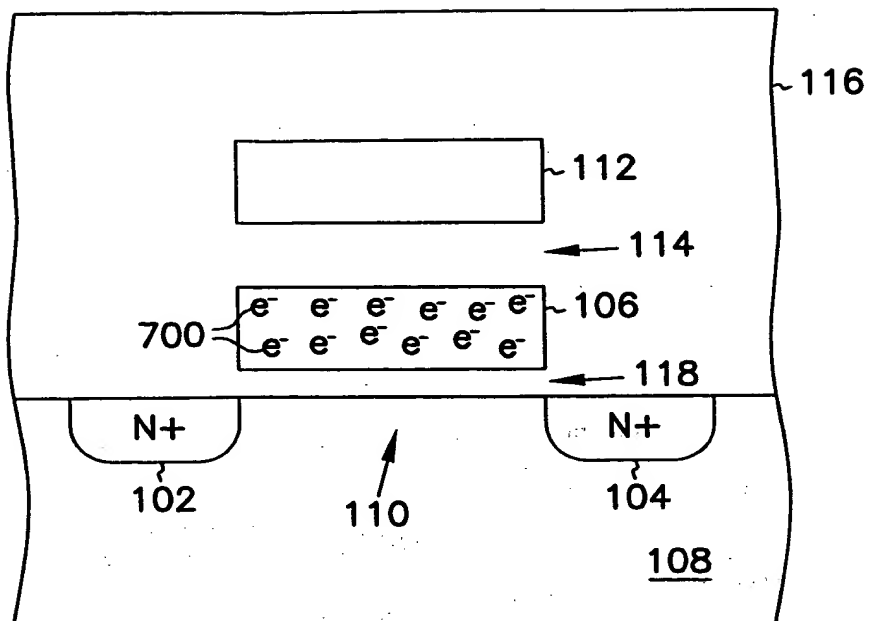


FIG. 7

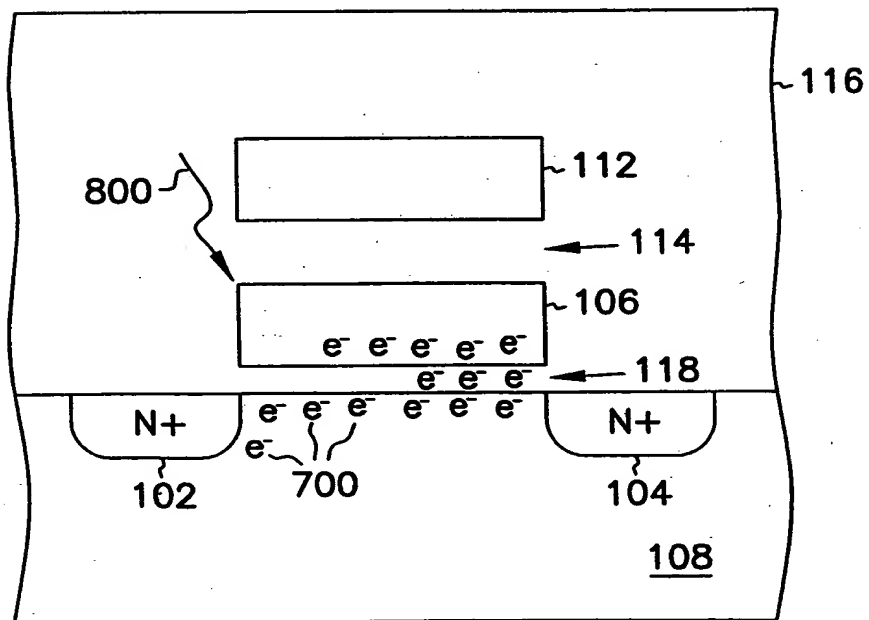


FIG. 8

The graph shows the absorption coefficient (cm⁻¹) on a logarithmic y-axis (10² to 10⁴) versus wavelength (microns) on the bottom x-axis (0 to 1.2) and photon energy (eV) on the top x-axis (3.0 to 1.0). A vertical dashed line at 0.6 microns (2.0 eV) is labeled '2eV (RED LIGHT)'. Three curves are shown: Si_{1-x}C_x (solid line, leftmost), SiC (solid line, middle), and Si (dotted line, rightmost). The SiC curve is labeled '910' and the Si curve is labeled '912'. The Si_{1-x}C_x curve is labeled '914'.

Material	Wavelength (microns)	Photon Energy (eV)	Absorption Coefficient (cm ⁻¹)
Si _{1-x} C _x	0.1	3.1	10 ³
	0.2	2.5	10 ²
SiC	0.3	2.3	10 ³
	0.4	2.0	10 ²
Si	1.0	1.2	10 ²
	1.1	1.1	10 ¹

FIG. 9

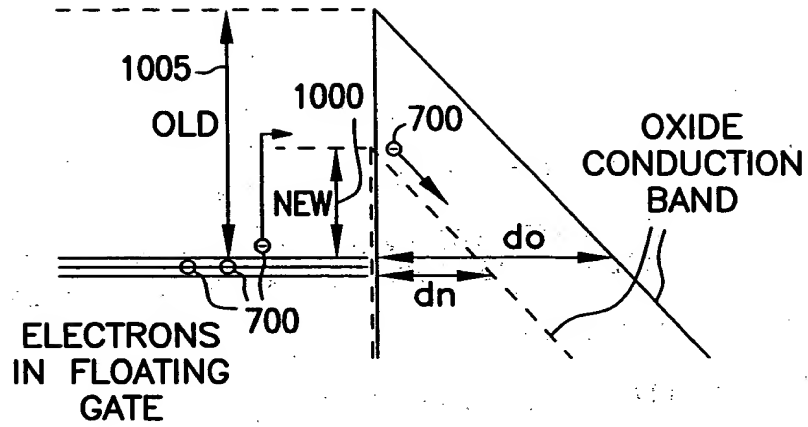


FIG. 10

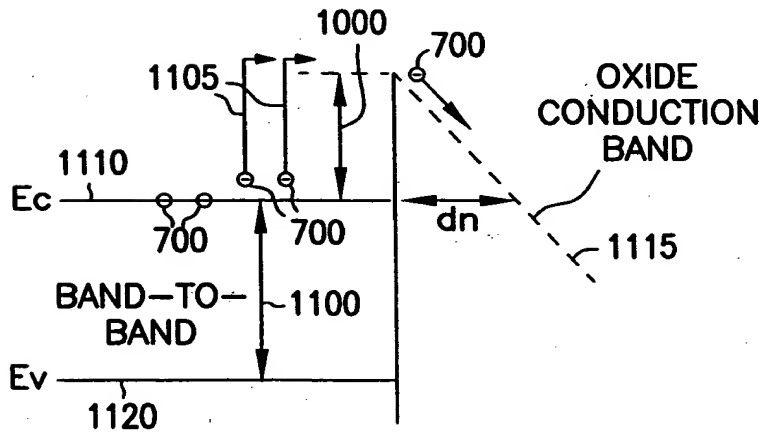


FIG. 11

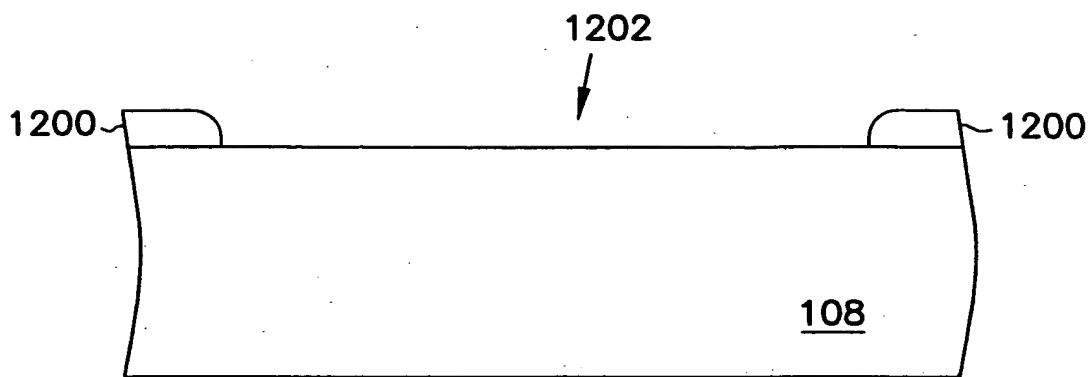


FIG. 12A

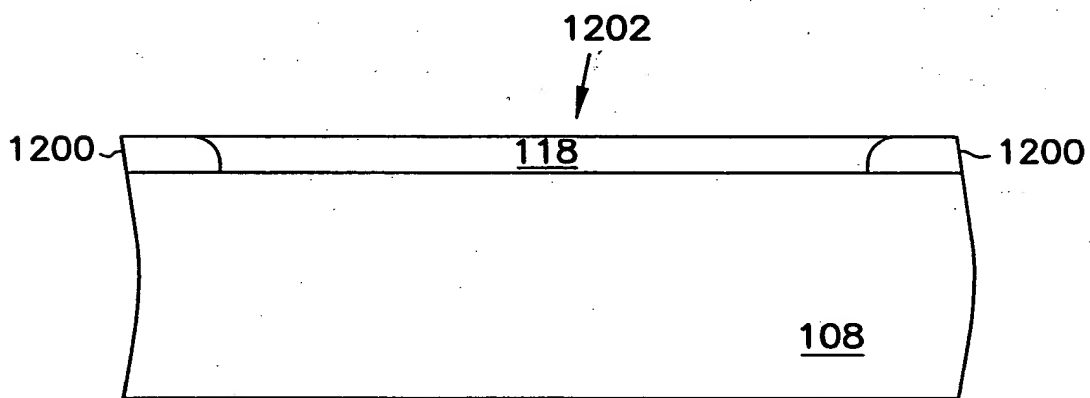


FIG. 12B

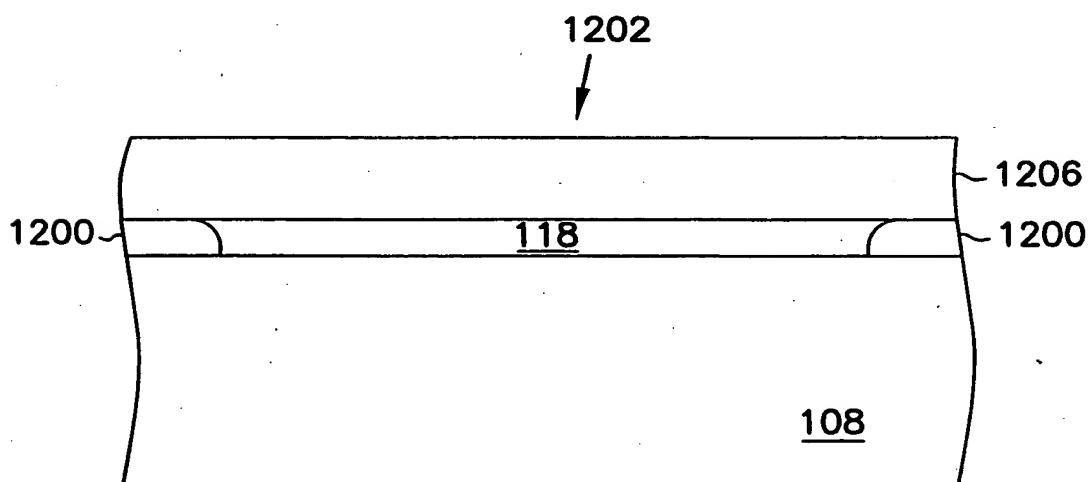


FIG. 12C

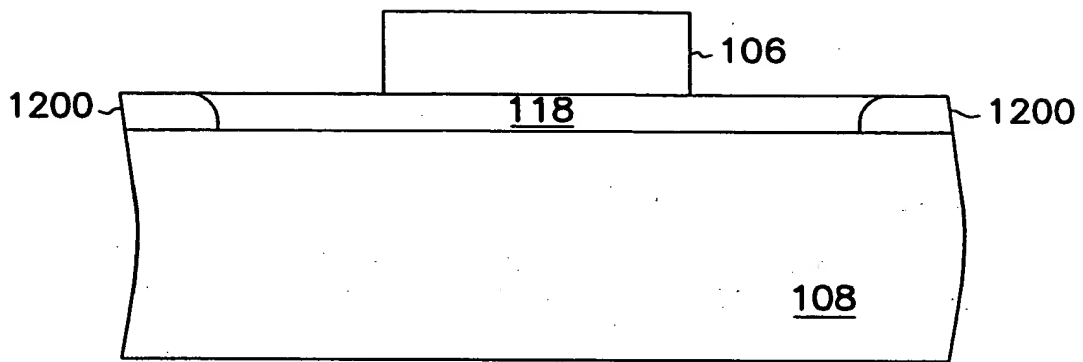


FIG. 12D

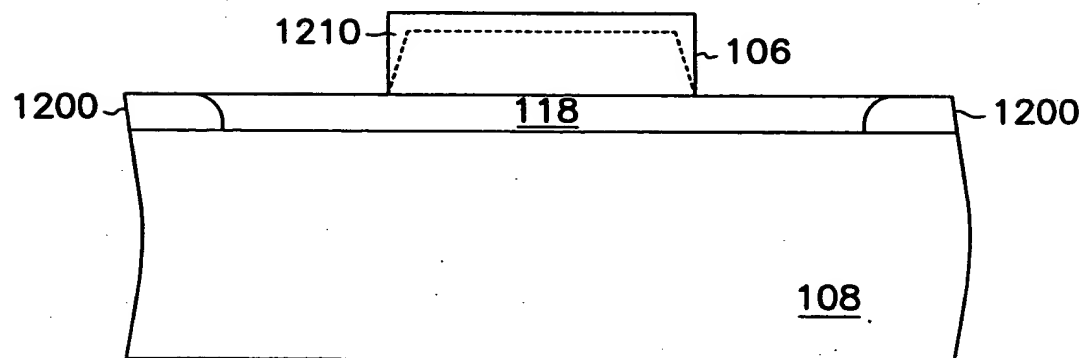


FIG. 12E

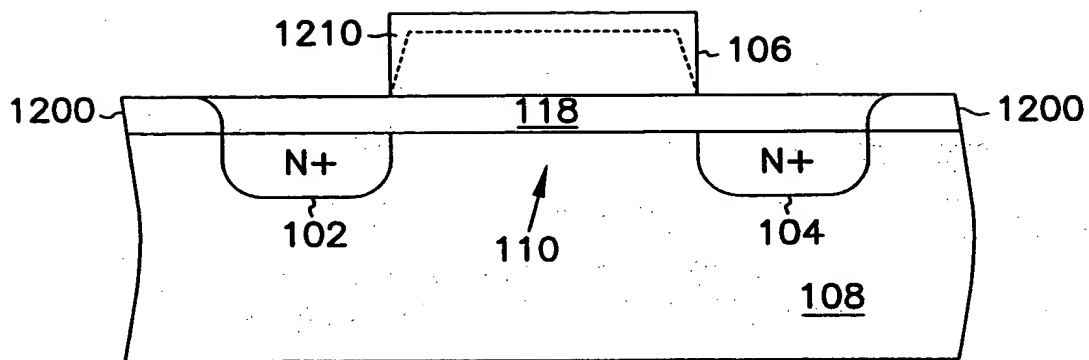


FIG. 12F

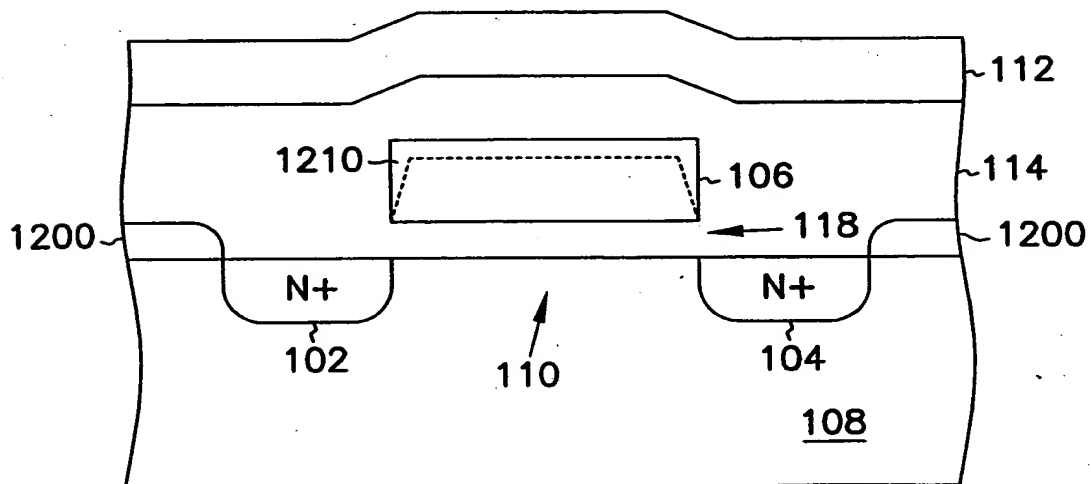


FIG. 12G